

Public Notice



**U.S. Army Corps
of Engineers**

Buffalo District **CELRB-TD-R RE:** 92-988-113(1) **Section:** NY 404

In Reply Refer To:

Date:

Published: December 11, 2003

Expires: January 10, 2004

**Application for Permit under Authority of
Section 404 of the Clean Water Act (33 U.S.C. 1344).**

The applicant, Mr. Joseph Augustine, 2310 Bockes Road, Skaneateles, New York, proposes to construct an enclosed steel sheetpile dock/deck as part of an upland bank stabilization project on his property. The project is located in Skaneateles Lake in the Town of Spafford, Onondaga County, New York.

The project consists of the following:

- a. An approximately 70 lineal foot sheet pile wall will be driven into the bottom of Skaneateles Lake. The wall will be approximately 6 feet - 11 feet from a failing bluff. Underneath the deck will be backfilled with fragmented shale. The purpose of the deck is for recreation, but also is necessary to provide an anchor for the proposed upland work. The proposed upland stabilization includes a stepped steel frame faced with timber and backfilled with stone and topsoil.

The bluff is limestone and is failing, with large pieces of rock falling into the lake. Continued failure of the bank could eventually threaten the foundation of the upland home. The applicant has investigated using an open pile deck structure in place of the enclosed steel sheet wall, but this option would not result in a substantial enough anchor for the proposed upland work.

The applicant's stated purpose is to stabilize the failing bluff to prevent further erosion and potential collapse of the embankment.

Location and details of the above described work are shown on the attached maps and drawings.

Questions pertaining to the work described in this notice should be directed to Steven V. Metivier, who can be contacted by calling (716) 879-4314, or by e-mail at: steven.v.metivier@usace.army.mil

The following authorization(s) may be required for this project:

Water Quality Certification (or waiver thereof) from the New York State Department of Environmental Conservation.

There are no registered historic properties or properties listed as being eligible for inclusion in the National Register of Historic Places that will be affected by this project.

In addition, available evidence indicates that the proposed work will not affect a species proposed or designated by the U.S. Department of the Interior as threatened or endangered, nor will it affect the critical habitat of any such species.

This notice is promulgated in accordance with Title 33, Code of Federal Regulations, parts 320-330. Any interested party desiring to comment on the work described herein may do so by submitting their comments, in writing, so that they are received no later than 4:30 pm on the expiration date of this notice.

Comments should be sent to the U. S. Army Corps of Engineers, 1776 Niagara Street, Buffalo, New York 14207, and should be marked to the attention of Steven V. Metivier, or by e-mail at: steven.v.metivier@usace.army.mil. A lack of response will be interpreted as meaning that there is no objection to the work as proposed.

Comments submitted in response to this notice will be fully considered during the public interest review for this permit application. All written comments will be made a part of the administrative record which is available to the public under the Freedom of Information Act. The Administrative Record, or portions thereof may also be posted on a Corps of Engineers internet web site. Due to resource limitations, this office will normally not acknowledge the receipt of comments or respond to individual letters of comment.

Any individual may request a public hearing by submitting their written request, stating the specific reasons for holding a hearing, in the same manner and time period as other comments.

Public hearings for the purposes of the Corps permit program will be held when the District Commander determines he can obtain additional information, not available in written comments, that will aid him in the decision making process for this application. A Corps hearing is not a source of information for the general public, nor a forum for the resolution of issues or conflicting points of view (witnesses are not sworn and cross examination is prohibited). Hearings will not be held to obtain information on issues unrelated to the work requiring a permit, such as property ownership, neighbor disputes, or the behavior or actions of the public or applicant on upland property not regulated by the Department of the Army. Information obtained from a public hearing is given no greater weight than that obtained from written comments. Therefore, you should not fail to make timely written comments because a hearing might be held.

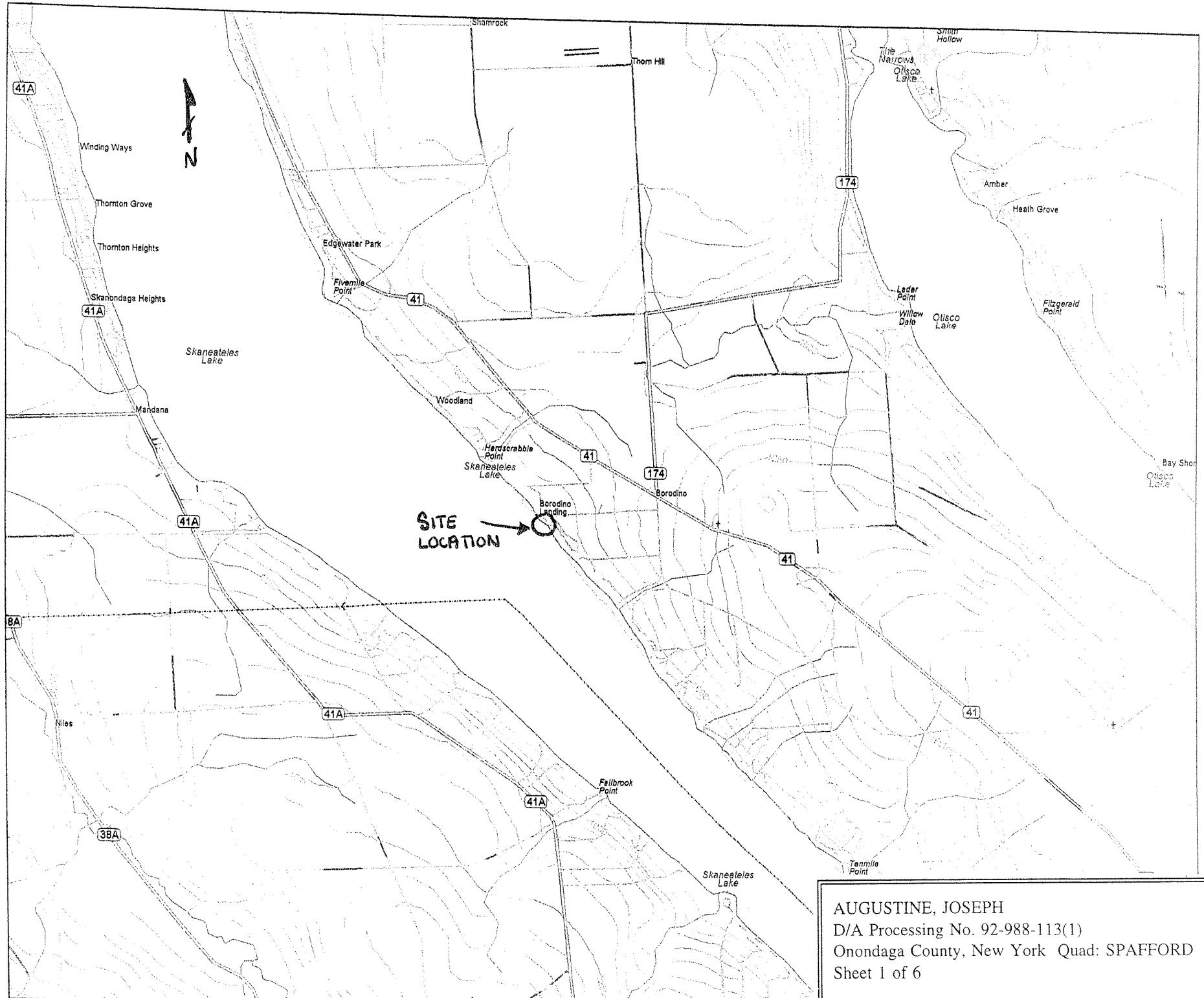
The decision to approve or deny this permit request will be based on an evaluation of the probable impact, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among these are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the

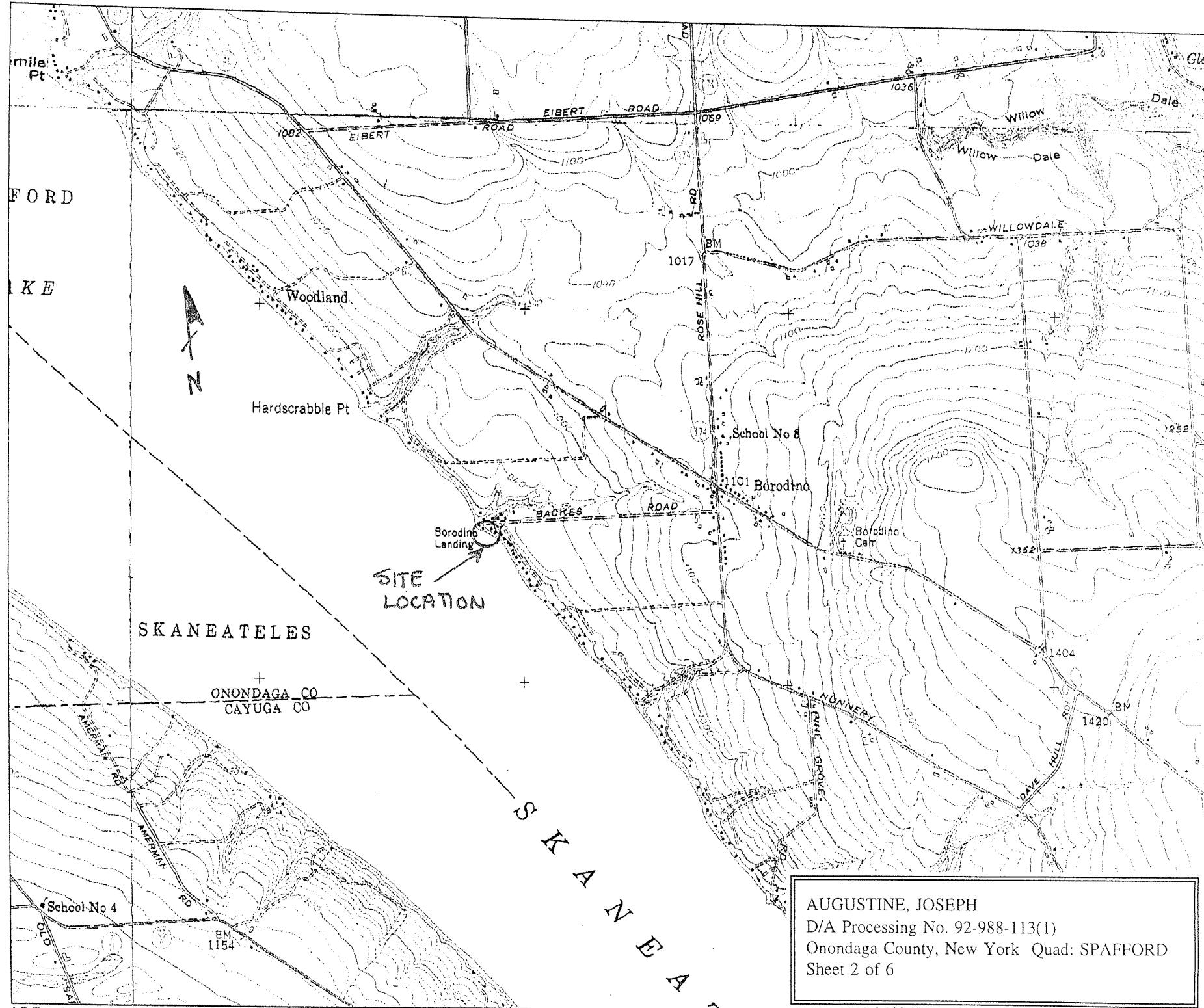
preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Thomas C. Switala
for Thomas C. Switala
Chief, Regulatory Branch

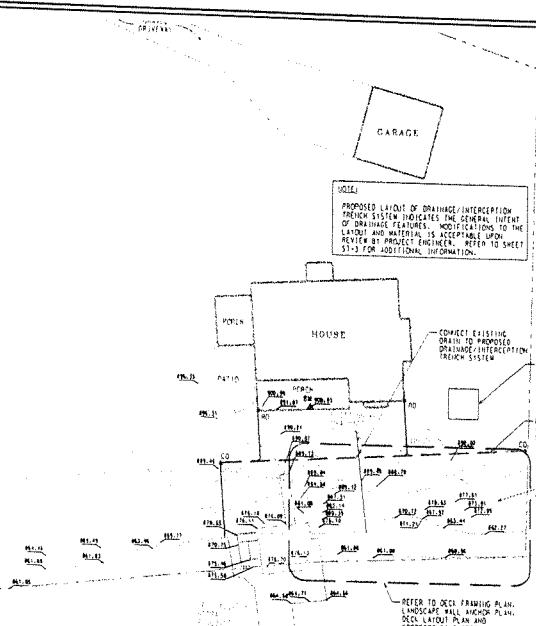
NOTICE TO POSTMASTER: It is requested that this notice be posted continuously and conspicuously for 30 days from the date of issuance.



AUGUSTINE, JOSEPH
D/A Processing No. 92-988-113(1)
Onondaga County, New York Quad: SPAFFORD
Sheet 1 of 6



AUGUSTINE, JOSEPH
 D/A Processing No. 92-988-113(1)
 Onondaga County, New York Quad: SPAFFORD
 Sheet 3 of 6



EXISTING SITE PLAN

20 0 20 40
 FEET
 SCALE

BASE MAP REFERENCE:
 1. 1/20,000 - 1:4,350 - PART OF PARCELS 1 & 2 - EDGAR ROCKS FARM
 2. SURVEY PERFORMED BY TON ENGINEERING ON OCTOBER 1, 2002.

WATER LEVEL	ELEVATION (M.G.L.D.)
LINE OF WATER ELEVATION ON OCTOBER 1, 2002	851.1
AVERAGE MINIMUM WATER ELEVATION	850.31
AVERAGE MAXIMUM WATER ELEVATION	862.64
HIGH WATER ELEVATION (REGULATED)	863.25

- ALL ELEVATIONS SHOWN ON DESIGN PLANS ARE REFERENCED TO CITY OF SYRACUSE DATA (M.G.L.D.).
- MINIMUM, MAXIMUM AND HIGH WATER ELEVATIONS BASED ON A WATERLEVEL MANAGEMENT PLAN PREPARED BY THE CITY OF SYRACUSE AND THE CORNELL COOPERATIVE EXTENSION OF ONONDAGA COUNTY, DATED 1997.
- HIGH WATER ELEVATION IS REGULATED BY THE CITY OF SYRACUSE WATER DEPARTMENT AT THE LAKE LOCATED AT THE NORTH END OF THE LAKE.

KEY

- EXISTING FENCE LINE
- REFERENCE FINISH FLOOR
 (M.G.L.D. + 850.93'
 M.V.C.D. 850.93')
- GROUNDSURFACE ELEVATION BASED
 ON GROUND ELEVATION
- TEST PIT LOCATION (PERFORATED ON 10-02-02)
- SECTION DESIGNATION
 PAGE DESIGNATION
- PROPOSED SOLID 4" DIA. PVC DRAINAGE PIPE
- PROPOSED PERFORATED 4" DIA. PVC DRAINAGE PIPE
- PROPOSED ROOF DRAIN CONNECTION
- PROPOSED 4" DIA. PVC CLEANOUT LOCATION
- TOP OF DECK
- TOP OF WALL

GENERAL NOTES

- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY BUILDING PERMITS PRIOR TO INITIATING CONSTRUCTION AND SHALL MAINTAIN ALL REQUIRED SETBACK DISTANCES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL CONSTRUCTION IS IN CONFORMANCE WITH APPLICABLE REQUIREMENTS OF THE FOLLOWING AGENCIES:
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
 - THE TOWN OF SPAFFORD BUILDING CODES DEPARTMENT
 - THE NEW YORK STATE BUILDING CODE, LATEST EDITION, AS APPLICABLE
 - NY'S DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 - THE UNITED STATES ARMY CORPS OF ENGINEERS
 - THE CITY OF SYRACUSE WATER DEPARTMENT
- PRIOR TO INITIATING CONSTRUCTION, THE CONTRACTOR SHALL GIVE TIMELY NOTICE TO LOCAL UTILITIES COMPANIES WITH FACILITIES IN THE AREA AND CONTACT THE LOCAL DIVISION OF PUBLIC WORKS TO DETERMINE THE EXACT LOCATION OF THESE UTILITIES. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING PRIVATE ON-SITE UTILITIES WITHIN THE PROJECT SITE.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHILE WORKING TO SAFEGUARD EXISTING STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING UTILITIES AND SURVEY MARKERS CAUSED BY THEIR WORK BEING PERFORMED.
- THE CONTRACTOR SHALL PROVIDE HAZARD BARRIERS PLACED CONSEQUENTLY AROUND ALL PHASES OF CONSTRUCTION TO SAFEGUARD AGAINST DANGEROUS CONDITIONS.
- THE CONTRACTOR SHALL PROVIDE SILT BARRIERS OR CURTAINS IN THE LAKE AND ON LAND WORK SITES TO CONTROL THE MIGRATION OF SILT OR CONSTRUCTION DEBRIS DURING ANY EXCAVATION/CONSTRUCTION WORK PERFORMED IN AND AROUND THE WATERWAY.

1. ANY MATERIAL REMOVED FROM THE PROJECT SITE SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH THE APPLICABLE AGENCIES LISTED ABOVE IN GENERAL NOTE 2.

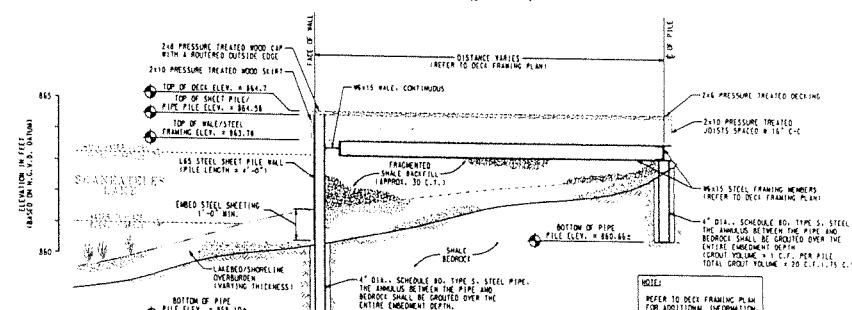
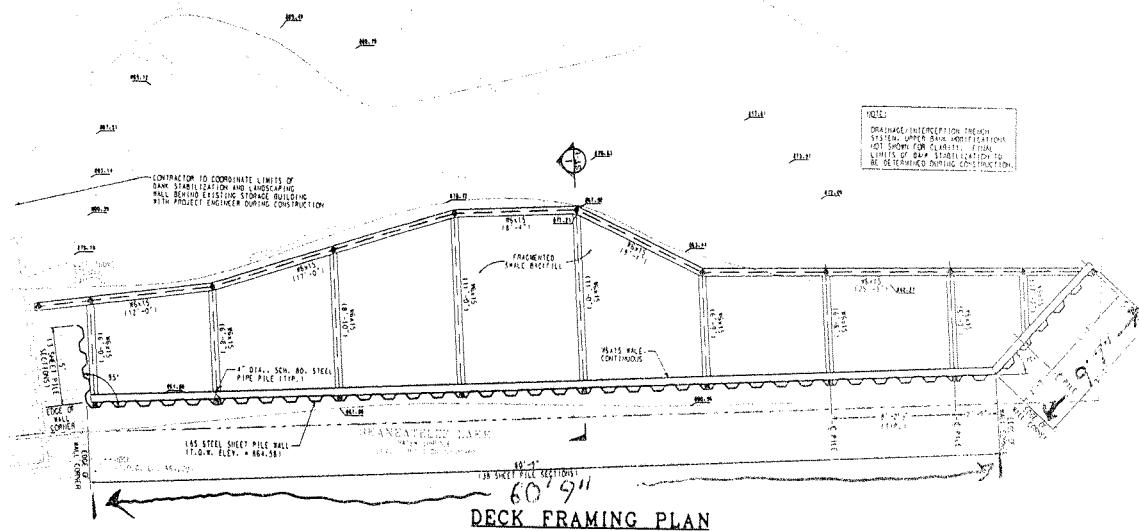
2. CONTRACTOR SHALL EXERCISE CAUTION BY NOT DISTURBING EXISTING TREES AND PERMITTING THEM IN THIN AREAS OF CONSTRUCTION.

3. THE EROSION/EROSION SURFACE OF THE BANK SHALL BE PROPERLY PREPARED BY REMOVING ANY LOOSE SOIL, REPACK AND OR SOIL FROM THE AREA OF CONSTRUCTION.

FIELD NOTES:

- LOCATION OF UPPER BANK SURFACE. LOCATION OF BANK STABILIZATION SHALL BE COORDINATED WITH PROJECT ENGINEER FOR PORTIONS WHICH ARE APPROPRIATE. FIELD VERIFICATION IS REQUIRED PRIOR TO AND DURING CONSTRUCTION.
- LOCATIONS OF THE BANK DRAINAGE SYSTEM SHALL BE COORDINATED DURING CONSTRUCTION BETWEEN THE CONTRACTOR AND PROJECT ENGINEER. METHOD AND MATERIAL USED TO PROVIDE THIS BANK DRAINAGE SHALL BE DETERMINED DURING CONSTRUCTION.

FINAL LOCATION OF ICIC ON REINSTALLED
 SYSTEM DETERMINED DURING CONSTRUCTION
 OF UPPER BANK STABILIZATION



DECK SECTION
 SCALE: 1/2" = 1'-0"

NOTES:
 REFER TO DECK FRAMING PLAN FOR ADDITIONAL INFORMATION.
 ALL STEEL MEMBERS CONNECTIONS SHALL BE FIELD WELDED UNLESS NOTED OTHERWISE. THE WELDS SHALL BE 1/8" THICK AND 100% PENETRATED. WHERE POSSIBLE, USE ELECTRODES. EXTRUDED ELECTRODES SHALL BE USED IF EXTRUSION PROCESS IS NOT POSSIBLE. THE PROJECT ENGINEER SHALL BE NOTIFIED TO REVIEW AND APPROVE THE PROPOSED WELDS.

SPECIAL PLAN
 DRAWING REDUCED
 BY APPROXIMATELY
 66%

SHORELINE STABILIZATION

CLIQUE: JOE AND DEBBIE AUGUSTINE
 LOCATION: TOWN OF SPAFFORD, ONONDAGA COUNTY, NEW YORK

DRAWING TITLE:
 PLANS,
 SECTION,
 &
 NOTES

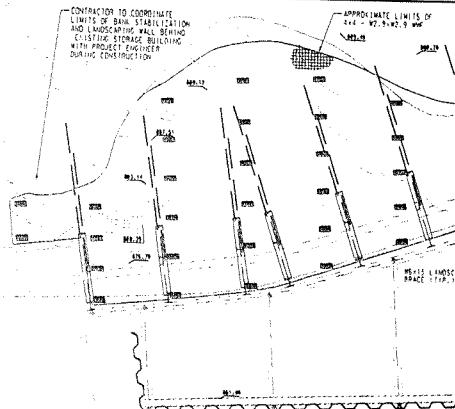
PROJECT NO.: 2002058
SCALE: 1/2"-0" = 1'-0"
DATE: 45-MOTEX
DRAWN BY: J. TRISTER
ENGD BY: J. TRISTER
CHECKED BY: D. COE

ST-1

AUGUSTINE, JOSEPH

D/A Processing No. 92-988-113(1)

Onondaga County, New York Quad: SPAFFORD
Sheet 4 of 6



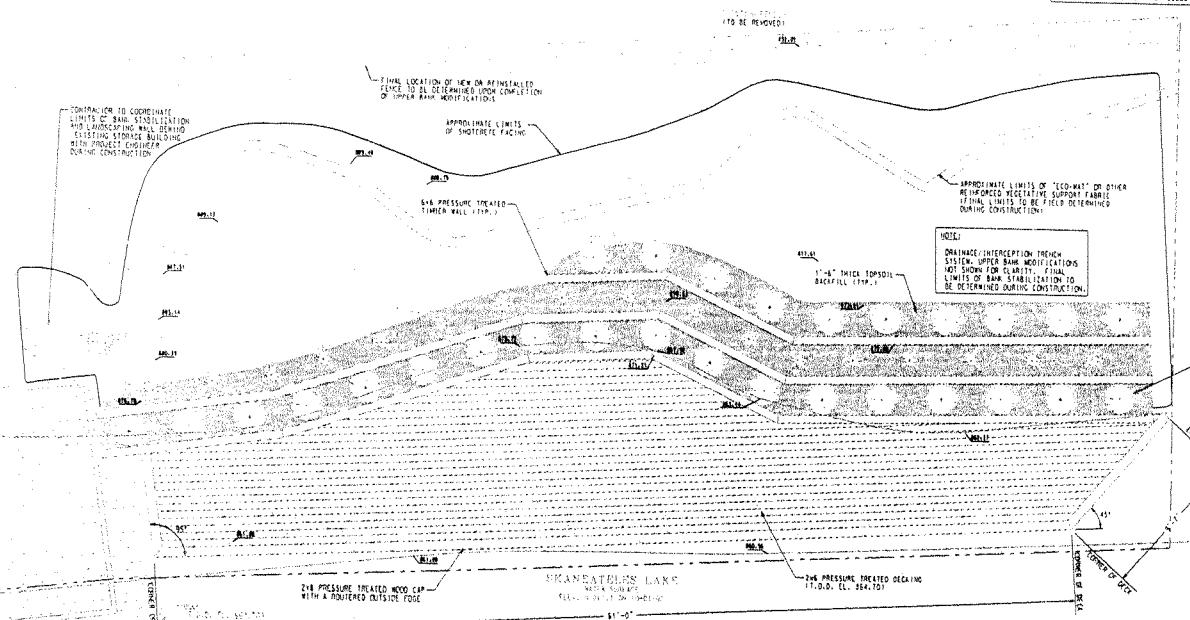
LANDSCAPE WALL FRAMING PLAN

SCALE: 1/4" = 1'-0"

TO BE REMOVED

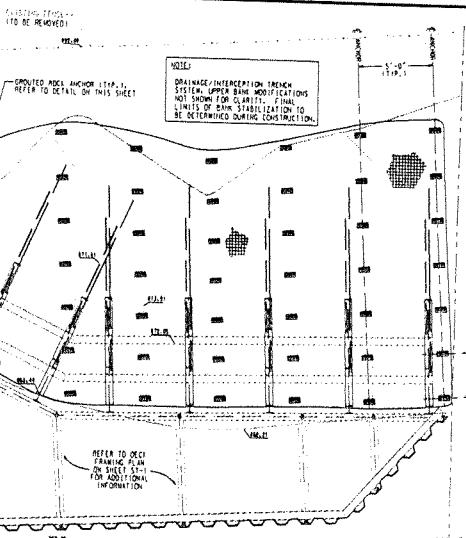
NOTE:
POC ANCHORS SHOWN AS ITEMS
FOR CLARITY. ACTUAL LOCATIONS
TO BE FIELD DETERMINED. REFER TO
DETAILS FOR ADDITIONAL INFORMATION.

ALL STEEL MEMBER CONNECTIONS SHALL BE FIELD WELDED
UNLESS NOTED OTHERWISE. THE WOOD WALL IS TO CONSIST OF
4x6 PELLS, CORNERS WHERE POSSIBLE; AND
4x4 PELLS, CORNERS WHERE POSSIBLE. IF FIELD WELDING
WELDS ARE NOT POSSIBLE, THE PROJECT ENGINEER SHALL
BE NOTIFIED TO REVIEW AND ASSESS THE PROPOSED WELDS.



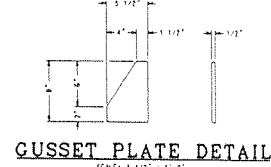
DECK LAYOUT PLAN

SCALE: 1/4" = 1'-0"

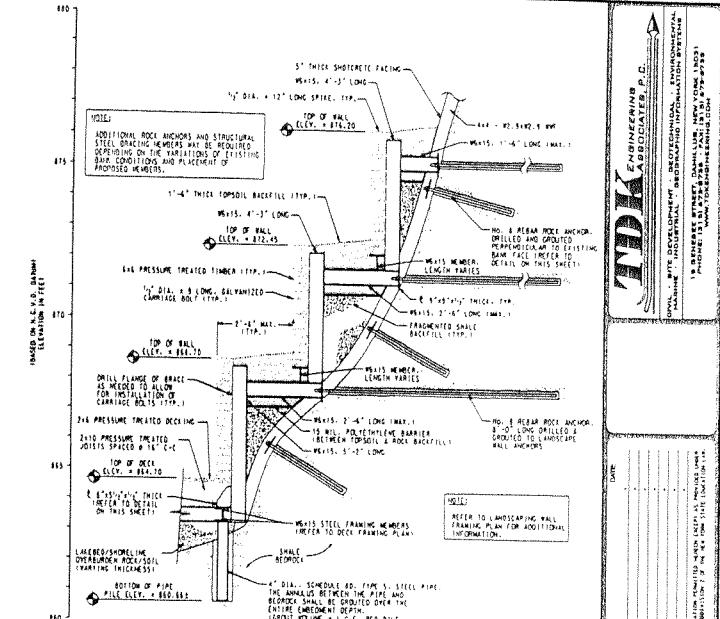


SPECIAL PLAN
DRAWING REDUCED
BY APPROXIMATELY
66%

66%

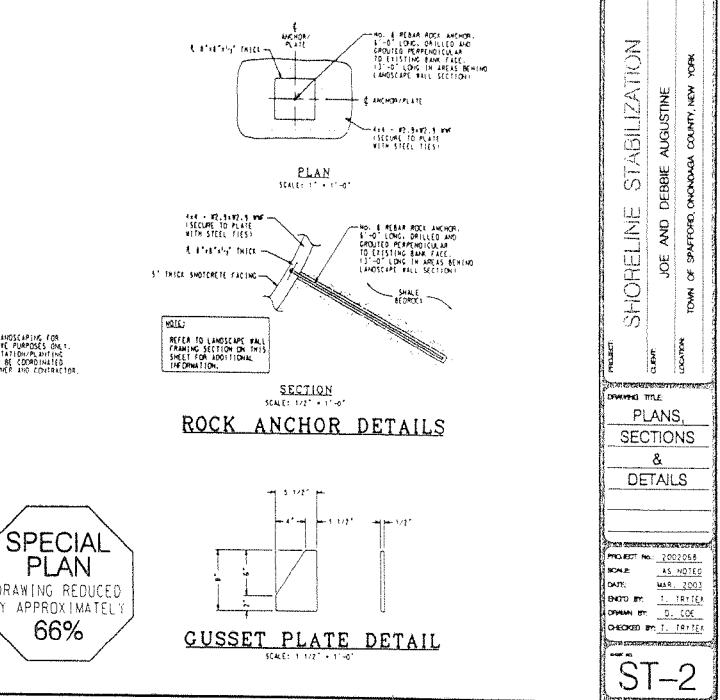


GUSSET PLATE DETAIL
SCALE: 1 1/2" = 1'-0"



LANDSCAPE WALL SECTION

SCALE: 1/4" = 1'-0"



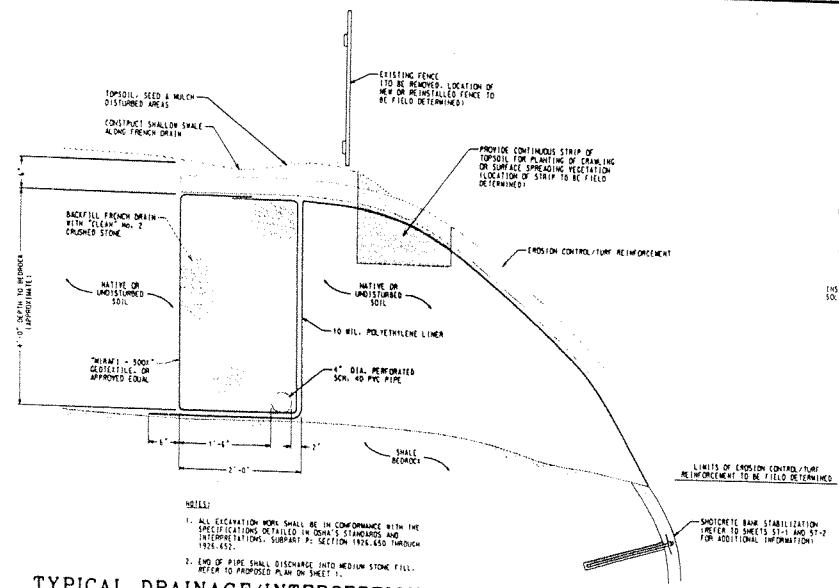
SHORELINE STABILIZATION

JOE AND DEBBIE AUGUSTINE
TOWN OF SPAFFORD, ONONDAGA COUNTY, NEW YORK

PROJECT
CLIENT
LOCATION
DRAWING TITLE
PLANS,
SECTIONS
&
DETAILS

PROJECT NO. 2002058
NAME: AS NOTED
DATE: MARCH 2003
ENGD BY: T. TAYLOR
DRWNG BY: G. COE
CHECKED BY: T. TAYLOR

ST-2



TYPICAL DRAINAGE/INTERCEPTION TRENCH DETAIL

NOT TO SCALE

KEY

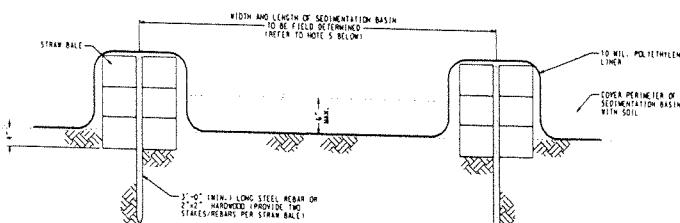
ML SILTY-CLAY MIXTURE
BS BELOW GROUND SURFACE

4" BS (bottom of test pit)

- NOTES:
1. GENERAL SOIL INFORMATION BASED ON DEEP TEST PIT OBSERVATIONS PERFORMED ON OCTOBER 2, 2002.
2. REFER TO SITE PLAN ON SHEET ST-1 FOR TEST PIT LOCATION.

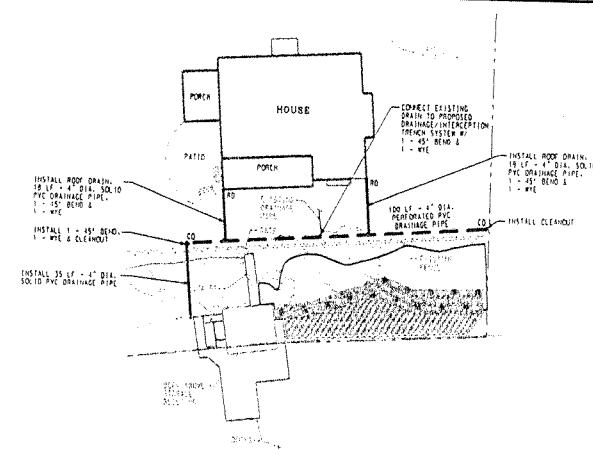
TEST PIT-1 SOIL PROFILE

NOT TO SCALE



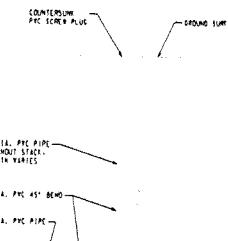
TYPICAL STRAW BALE STILLING BASIN DETAIL

NOT TO SCALE



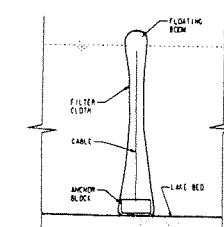
DRAINAGE PLAN

SCALE: 1" = 20'



CLEANOUT DETAIL

SCALE: 1" = 1"



SILT CURTAIN DETAIL

NOT TO SCALE

CONSTRUCTION & MATERIAL SPECIFICATIONS

1.0 - STRUCTURE, STEEL

1.1 STEEL PIPING SHALL CONFORM TO ASTM A333 TYPE E, GRADE 3, 1/2" x 35,000 psi OR ASTM TYPE L, GRADE 3, 1/2" x 35,000 psi.

1.2 Grade 50 HIC = 30,000 psi.

1.3 Edge electrodes shall be used at all steel member to member connections.

1.4 All steel construction and member fabrication shall be performed in accordance with:

A. AMERICAN INSTITUTE OF STEEL CONSTRUCTION, LATEST EDITION.

2.0 - STEEL SHEET PILING

2.1 CWR 11" SERIES COLD-ROLLED, STEEL SHEET PILING, ASTM A333 1/2" x 38,500 psi.

3.0 - LUMBER

3.1 ALL PRESSURE TREATED LUMBER SHALL BE SELECT STRUCTURAL, SOUTHERN YELLOW PINE SPECIES WITH A MINIMUM DENSITY OF 0.45, A MINIMUM MODULUS OF ELASTICITY OF 1,100,000 PSI, AND A MINIMUM TENSILE STRESS FOR GRADE 1. CONTRACTOR SHALL APPROVE BY HIS DEC FOR USE IN LAKE/MARINE APPLICATIONS.

3.2 ALTERNATE LUMBER MATERIAL IS ALLOWED. CONTRACTOR SHALL APPROVE APPROVAL PRIOR TO INSTALLATION.

4.0 - CONCRETE AND STEEL REINFORCEMENT

4.1 SPACED-IN-PLACE CONCRETE FOR ENHANCEMENT STABILIZATION SHALL CONSIST OF THE FOLLOWING:

A. TYPE 1A (NORMAL AIR-ENTRAINED) PORTLAND CEMENT PER ASTM C150.

B. SLUMP RANGE OF 11" TO 8" INCHES.

C. SPECIFIC GRADATION LIMITS SHALL BE IN ACCORDANCE WITH ACI 318-99, GRADATION NO. 7, AS FOLLOWS:

SLICE SIZE (US STD. SQUARE MESH)	1" BY HEIGHT PASSING INDIVIDUAL SLICES
1/2" THICK	100
3/4" THICK	50-100
NO. 4	70-85
NO. 6	50-70
NO. 10	35-55
NO. 30	20-35
NO. 50	8-20
NO. 100	2-10

D. TOTAL AIR CONTENT, PERCENTAGE BY VOLUME OF CONCRETE, SHALL BE BETWEEN 3.5 AND 6% AT THE PUMP, WITH AN ALLOWABLE LOSS OF AIR CONTENT AT THE NOZZLE BETWEEN 1.0% AND 1.7%.

E. SILICATE FUME

AT LEAST

F. WATER REDUCER

3% OZ.

G. SUPERPLASTICIZER

15% OZ. OZ.

H. AIR ENTRAINING AGENT

IF REQUIRED

I. WATER

300 LBS (243 GALS)

J. STEEL FIBERS

10 LB/CY

(TOTAL WT. MASS)

K. 28-DAY COMPRESSIVE STRENGTH OF SHOTCRETE MUST 3,000 PSI.

4.2 REINFORCING STEEL SHALL BE TO THE SIZE AND DIMENSIONS AS INDICATED IN THESE DESIGN PLANS AND CONFORM TO THE FOLLOWING:

A. ASTM A615, 60 KSI, FIELD GRADED UNFINISHED, DEFORMED, BILLET STEEL BARS.

B. REINFORCED STEEL WIRE: ASTM A475 WELDED DEFORMED TYPE IN FLAT SHEETS AND UNFINISHED.

4.3 STEEL REINFORCEMENT ACCESSORIES SHALL CONFORM TO THE FOLLOWING:

A. THE HIGHEST MINIMUM TO GAUGE ANNEALED TYPE.

B. CHARS, BOSTERS, BAR SUPPORTS, SPACERS, SIZED AND SHAPED FOR STRENGTH AND SUPPORT OF REINFORCEMENT DURING CONCRETE PLACEMENT CONDITIONS.

4.4 ALL STEEL REINFORCEMENT SHALL BE FABRICATED TO THE SIZE AND DIMENSIONS INDICATED IN THESE PLANS IN ACCORDANCE WITH:

A. CONCRETE REINFORCING STEEL INSTITUTE MANUAL OF PRACTICE, LATEST EDITION.

B. AMERICAN CONCRETE INSTITUTE 318, LATEST EDITION.

4.5 ROCK ANCHORS SHALL BE FASTENED WITH CONCRETE ANCHOR ALL OR APPROVED EQUAL.

4.6 STEEL PIPE PILES SHALL BE COATED WITH CONCRETE 300 GROUT, OR APPROVED EQUAL.

5.0 - EROSION CONTROL

5.1 EROSION CONTROL/SURF REINFORCEMENT MAT SHALL BE NORTH AMERICAN GREEN, C150, OR APPROVED EQUAL.

AUGUSTINE, JOSEPH
D/A Processing No. 92-988-113(1)
Onondaga County, New York Quad: SPAFFORD
Sheet 5 of 6

SHORELINE STABILIZATION

JOE AND DEBBIE AUGUSTINE

TOWN OF SPAFFORD, ONONDAGA COUNTY, NEW YORK

DRAWING TITLE

DETAILS

&

SPECIFICATIONS

PROBLEMS

NOTES

REVISIONS

DATE

OWNER

DESIGNER

CODE

CHECKED BY

ST-3

PROBLEMS

NOTES

REVISIONS

DATE

OWNER

DESIGNER

CODE

CHECKED BY

ST-3

AUGUSTINE, JOSEPH
D/A Processing No. 92-988-113(1)
Onondaga County, New York Quad: SPAFFORD
Sheet 6 of 6

CONCEPTUAL VIEW

AUGUSTINE PROPERTY

SKANEATELES LAKE

JAN 2003 NOT TO SCALE

RAM of CNY

